

Comparisons of Job Characteristics

Focus Occupation: Earth Drillers, Except Oil and Gas (47-5021)

Associated Occupation: Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4032)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 80

Focus Occupation: Earth Drillers, Except Oil and Gas (47-5021)

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Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	15.9	15.0	0 Current knowledge level may be sufficient
Mathematics	9.2	13.3	8.4	<< Extensive education and/or training may be required
Production and Processing	6.0	11.7	5.8	<< Extensive education and/or training may be required
Design	5.2	9.7	5.2	<< Extensive education and/or training may be required
Engineering and Technology	5.7	9.0	6.6	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Earth Drillers, Except Oil and Gas (47-5021)

Associated Occupation: Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4032)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation Monitoring	6.6	11.6	13.0	> Skill level is likely sufficient
Operation and Control	5.4	8.7	13.0	>> Skill level is likely more than sufficient
Quality Control Analysis	5.9	8.2	8.5	0 Current skill level may be sufficient
Troubleshooting	4.5	6.9	8.0	> Skill level is likely sufficient
Equipment Selection	3.3	6.2	7.3	> Skill level is likely sufficient
Equipment Maintenance	3.5	5.9	9.0	>> Skill level is likely more than sufficient
Repairing	3.4	5.9	8.4	>> Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 82			
Focus Occupation: Earth Drillers, Except Oil and Gas (47-5021) Associated Occupation: Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4032)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	11.1	13.9	>	Current ability level is likely sufficient
Arm-Hand Steadiness	6.8	10.4	10.7	0	Current ability level may be sufficient
Static Strength	5.0	10.2	4.0	<<	Extensive improvement in abilities may be required
Finger Dexterity	7.6	10.1	8.8	<	Some improvement in abilities may be required
Manual Dexterity	6.5	10.1	11.4	>	Current ability level is likely sufficient
Trunk Strength	5.7	8.8	5.6	<<	Extensive improvement in abilities may be required
Reaction Time	4.8	8.5	11.5	>>	Current ability level is likely more than sufficient
Rate Control	3.8	8.0	10.6	>>	Current ability level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 66	
Focus Occupation: Earth Drillers, Except Oil and Gas (47-5021) Associated Occupation: Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4032)			
Work Activities		Exclusivity of Activity	
Operate hoist, winch, or hydraulic boom		34	
Signal directions or warnings to coworkers		42	
Use hand or power tools		2	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: n/a
Focus Occupation: Earth Drillers, Except Oil and Gas (47-5021) Associated Occupation: Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic (51-4032)		

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.